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=> FILE HCAPLUS

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FILE COVERS 1907 - 29 Jan 2008 VOL 148 ISS 5

FILE LAST UPDATED: 28 Jan 2008 (20080128/ED)

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=> D QUE L31

L15 1495 SEA FILE=HCAPLUS ABB=ON PLU=ON KAMATA K?/AU

L16 324 SEA FILE=HCAPLUS ABB=ON PLU=ON KATO D?/AU

L20 386 SEA FILE=HCAPLUS ABB=ON PLU=ON SAPOVIRUS/CT OR NOROVIRUS+NT/C
T

L31 6 SEA FILE=HCAPLUS ABB=ON PLU=ON (L15 OR L16) AND L20

=> FILE WPIX

FILE 'WPIX' ENTERED AT 14:25:00 ON 29 JAN 2008

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FILE LAST UPDATED: 23 JAN 2008 <20080123/UP>

MOST RECENT THOMSON SCIENTIFIC UPDATE: 200806 <200806/DW>

DERWENT WORLD PATENTS INDEX SUBSCRIBER FILE, COVERS 1963 TO DATE

>>> IPC Reform backfile reclassification has been loaded to the end of November 2007. No update date (UP) has been created for the reclassified documents, but they can be identified by 20060101/UPIC and 20061231/UPIC, 20070601/UPIC, 20071001/UPIC and 20071130/UPIC. <<<

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'BI,ABEX' IS DEFAULT SEARCH FIELD FOR 'WPIX' FILE

=> D QUE L46

L42 1524 SEA FILE=WPIX ABB=ON PLU=ON KAMATA K?/AU
 L43 289 SEA FILE=WPIX ABB=ON PLU=ON KATO D?/AU
 L44 53 SEA FILE=WPIX ABB=ON PLU=ON (SAPOVIRUS OR SAPPORO OR
 NOROVIRUS OR NORWALK(A)VIRUSE OR SMALL ROUND STRUCTUR?
 VIRUSE)/BI
 L46 1 SEA FILE=WPIX ABB=ON PLU=ON (L42 OR L43) AND L44

=> DUP REM L31 L46

FILE 'HCAPLUS' ENTERED AT 14:25:11 ON 29 JAN 2008

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PROCESSING COMPLETED FOR L31

PROCESSING COMPLETED FOR L46

L48 6 DUP REM L31 L46 (1 DUPLICATE REMOVED)
 ANSWERS '1-6' FROM FILE HCAPLUS

=> D IBIB ED ABS HITSTR L48 1-6

L48 ANSWER 1 OF 6 HCAPLUS COPYRIGHT 2008 ACS on STN DUPLICATE 1

ACCESSION NUMBER: 2004:857770 HCAPLUS Full-text

DOCUMENT NUMBER: 141:328130

TITLE: Dilution liquid for norovirus or sapovirus test
 sample, and method for detecting virus

INVENTOR(S): Kamata, Kunio; Kato, Daisuke

PATENT ASSIGNEE(S): Denka Seiken Co., Ltd., Japan

SOURCE: PCT Int. Appl., 23 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004088311	A1	20041014	WO 2004-JP4687	20040331
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
JP 2004301684	A	20041028	JP 2003-95349	20030331
JP 3887340	B2	20070228		
US 2006216695	A1	20060928	US 2005-551548	20050930

PRIORITY APPLN. INFO.: JP 2003-95349 A 20030331
WO 2004-JP4687 W 20040331

ED Entered STN: 18 Oct 2004

AB A dilution liquid for a Norovirus or Sapovirus test sample is provided, which comprises an alkaline buffer solution having a pH of 9.0 to 10.0. Also provided is a method for detecting Norovirus or Sapovirus by an immunoassay using this test sample dilution liquid. The method allows Norovirus or Sapovirus to be detected from a Norovirus or Sapovirus test sample such as a feces sample, a vomiting sample, a body fluid sample, a blood sample, a body tissue sample or a food sample in an easy and simple manner, without the use of a special device such as a centrifuge, with improved accuracy, and with complete removal of nonspecific factors.

REFERENCE COUNT: 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L48 ANSWER 2 OF 6 HCAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2007:737620 HCAPLUS Full-text

DOCUMENT NUMBER: 147:185711

TITLE: The diagnosis of norovirus

AUTHOR(S): Kamata, Kunio; Sakai, Nobuo

CORPORATE SOURCE: Reagents Development Department, Denka Seiken Co., Ltd., Japan

SOURCE: BIO Clinica (2007), 22(7), 614-617

CODEN: BCILCY; ISSN: 0919-8237

PUBLISHER: Hokuryukan

DOCUMENT TYPE: Journal; General Review

LANGUAGE: Japanese

ED Entered STN: 09 Jul 2007

AB A review. The topics discussed are (1) norovirus infection; (2) diagnosis of norovirus infection; and (3) norovirus antigen detection reagents.

L48 ANSWER 3 OF 6 HCAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2006:341285 HCAPLUS Full-text

DOCUMENT NUMBER: 145:140984

TITLE: Genetic and antigenic diversity among noroviruses

AUTHOR(S): Hansman, Grant S.; Natori, Katsuro; Shirato-Horikoshi, Haruko; Ogawa, Satoko; Oka, Tomoichiro; Katayama, Kazuhiko; Tanaka, Tomoyuki; Miyoshi, Tatsuya; Sakae, Kenji; Kobayashi, Shinichi; Shinohara, Michiyo; Uchida, Kazue; Sakurai, Nakao; Shinozaki, Kuniko; Okada, Mineyuki; Seto, Yoshiyuki; Kamata, Kunio; Nagata, Noriyo; Tanaka, Keiko; Miyamura, Tatsuo; Takeda, Naokazu

CORPORATE SOURCE: Department of Virology II, National Institute of Infectious Diseases, Gakuen 4-7-1, Musashi-Murayama, Tokyo, 208-0011, Japan

SOURCE: Journal of General Virology (2006), 87(4), 909-919

CODEN: JGVIAI; ISSN: 0022-1317

PUBLISHER: Society for General Microbiology

DOCUMENT TYPE: Journal

LANGUAGE: English

ED Entered STN: 13 Apr 2006

AB Human norovirus (NoV) strains cause a considerable number of outbreaks of gastroenteritis worldwide. Based on their capsid gene (VP1) sequence, human NoV strains can be grouped into two genogroups (GI and GII) and at least 14 GI and 17 GII genotypes (GI/1-14 and GII/1-17). Human NoV strains cannot be propagated in cell-culture systems, but expression of recombinant VP1 in insect cells results in the formation of virus-like particles (VLPs). In order to understand NoV antigenic relationships better, cross-reactivity among

26 different NoV VLPs was analyzed. Phylogenetic analyses grouped these NoV strains into six GI and 12 GII genotypes. An antibody ELISA using polyclonal antisera raised against these VLPs was used to determine cross-reactivity. Antisera reacted strongly with homologous VLPs; however, a number of novel cross-reactivities among different genotypes was observed. For example, GI/11 antiserum showed a broad-range cross-reactivity, detecting two GI and 10 GII genotypes. Likewise, GII/1, GII/10 and GII/12 antisera showed a broad-range cross-reactivity, detecting several other distinct GII genotypes. Alignment of VP1 amino acid sequences suggested that these broad-range cross-reactivities were due to conserved amino acid residues located within the shell and/or P1-1 domains. However, unusual cross-reactivities among different GII/3 antisera were found, with the results indicating that both conserved amino acid residues and VP1 secondary structures influence antigenicity.

REFERENCE COUNT: 33 THERE ARE 33 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L48 ANSWER 4 OF 6 HCAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2005:639094 HCAPLUS Full-text

DOCUMENT NUMBER: 143:420512

TITLE: Expression and antigenicity of virus-like particles of norovirus and their application for detection of noroviruses in stool samples. [Erratum to document cited in CA143:076360]

AUTHOR(S): Kamata, Kunio; Shinozaki, Kuniko; Okada, Mineyuki; Seto, Yoshiyuki; Kobayashi, Shinichi; Sakae, Kenji; Oseto, Mitsuaki; Natori, Katsuro; Shirato-Horikoshi, Haruko; Katayama, Kazuhiko; Tanaka, Tomoyuki; Takeda, Naokazu; Taniguchi, Koki

CORPORATE SOURCE: Technical Marketing Department, Denka-Seiken Co., Ltd., Niigata, Japan

SOURCE: Journal of Medical Virology (2005), 76(3), 434
CODEN: JMVIDB; ISSN: 0146-6615

PUBLISHER: Wiley-Liss, Inc.

DOCUMENT TYPE: Journal

LANGUAGE: English

ED Entered STN: 22 Jul 2005

AB The correct affiliation for Haruko Shirato-Horikoshi is: Department of Virology II, National Institute of Infectious Diseases, Musashi-Murayama, Tokyo, Japan.

L48 ANSWER 5 OF 6 HCAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2005:356601 HCAPLUS Full-text

DOCUMENT NUMBER: 143:76360

TITLE: Expression and antigenicity of virus-like particles of norovirus and their application for detection of noroviruses in stool samples

AUTHOR(S): Kamata, Kunio; Shinozaki, Kuniko; Okada, Mineyuki; Seto, Yoshiyuki; Kobayashi, Shinichi; Sakae, Kenji; Oseto, Mitsuaki; Natori, Katsuro; Shirato-Horikoshi, Haruko; Katayama, Kazuhiko; Tanaka, Tomoyuki; Takeda, Naokazu; Taniguchi, Koki

CORPORATE SOURCE: Technical Marketing Department, Denka-Seiken Co., Ltd., Niigata, Japan

SOURCE: Journal of Medical Virology (2005), 76(1), 129-136
CODEN: JMVIDB; ISSN: 0146-6615

PUBLISHER: Wiley-Liss, Inc.

DOCUMENT TYPE: Journal

LANGUAGE: English

ED Entered STN: 26 Apr 2005

AB Human noroviruses (NoVs), members of the genus Norovirus in the family Caliciviridae, are the leading agents of nonbacterial acute gastroenteritis worldwide. Human NoVs are currently divided into at least two genogroups, genogroup I (GI) and genogroup II (GII), each of which contains at least 14 and 17 genotypes. To explore the genetic and antigenic relationship among NoVs, we expressed the capsid protein of four genetically distinct NoVs, the GI/3 Kashiwa645 virus, the GII/3 Sanbu809 virus, the GII/5 Ichikawa754 virus, and the GII/7 Osaka10-25 virus in baculovirus expression system. An antigen ELISA with hyperimmune serum against the four recombinant capsid proteins and characterized previously three capsid proteins derived from GI/1, GI/4, and GII/12 was developed to detect the NoVs antigen in stools. The antigen ELISA was highly specific to the homotypic strains, allowing assignment of a strain to a Norovirus genetic cluster within a genogroup.

REFERENCE COUNT: 43 THERE ARE 43 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L48 ANSWER 6 OF 6 HCAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2006:355920 HCAPLUS Full-text

DOCUMENT NUMBER: 146:96050

TITLE: Development of an ELISA for the detection of norovirus

AUTHOR(S): Kamata, K.; Shinozaki, K.; Tanaka, T.;
Takeda, N.; Taniguchi, K.

CORPORATE SOURCE: Dep. of Virology and Parasitology, School of Medicine,
Fujita Health Univ., Japan

SOURCE: Fujita Gakuen Igakkaishi (2005), 29(1), 59-63
CODEN: FGIGDO; ISSN: 0288-5441

PUBLISHER: Fujita Gakuen Igakkai

DOCUMENT TYPE: Journal

LANGUAGE: Japanese

ED Entered STN: 20 Apr 2006

AB ELISA systems for detecting norovirus genogroups I and II were developed. by using polyclonal and monoclonal antibodies prepared using VLP (virus-like particles) as antigens. Evaluation of the ELISA system (norovirus specificity and genogroup specificity) was reported.

Text Search

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L2	1	SEA FILE=REGISTRY	ABB=ON	PLU=ON	POLYVINYLPYRROLIDONE/CN
L3	1	SEA FILE=REGISTRY	ABB=ON	PLU=ON	DEXTRAN SULFATE/CN
L4	87	SEA FILE=REGISTRY	ABB=ON	PLU=ON	9042-14-2/CRN
L5	1	SEA FILE=REGISTRY	ABB=ON	PLU=ON	POLYETHYLENE GLYCOL/CN
L6	11257	SEA FILE=REGISTRY	ABB=ON	PLU=ON	25322-68-3/CRN
L7	17	SEA FILE=REGISTRY	ABB=ON	PLU=ON	("POLYVINYL ALCOHOL 2-ACRYLAM IDO-2-METHYLPROPIONATE"/CN OR "POLYVINYL ALCOHOL ACETATE PHTHALATE"/CN OR "POLYVINYL ALCOHOL CINNAMATE FUMARATE CROTONATE ACETATE"/CN OR "POLYVINYL ALCOHOL CINNAMATE"/CN OR "POLYVINYL ALCOHOL DEHYDROGENASE"/CN OR "POLYVINYL ALCOHOL DL-LACTATE"/CN OR "POLYVINYL ALCOHOL ESTER WITH SUCCINIC ANHYDRIDE"/CN OR "POLYVINYL ALCOHOL FIBERS"/CN OR "POLYVINYL ALCOHOL GLYCOLATE"/CN OR "POLYVINYL ALCOHOL HYDROGEN GLUTARATE" /CN OR "POLYVINYL ALCOHOL HYDROGEN SUCCINATE"/CN OR "POLYVINYL ALCOHOL OXIDASE"/CN OR "POLYVINYL ALCOHOL XANTHATE"/CN OR "POLYVINYL ALCOHOL, METHYL PHOSPHITE"/CN OR "POLYVINYL ALCOHOL-ACRYLIC ACID COPOLYMER"/CN OR "POLYVINYL ALCOHOL-IODINE COMPD."/CN OR "POLYVINYL ALCOHOL-POLYACRYLIC ACID POLYMER"/CN OR "POLYVINYL ALCOHOL-POLYETHYLENE GLYCOL GRAFT COPOLYMER"/CN OR "POLYVINYL ALCOHOL-SULFADIMETHOXINE-TWEEN 80 MIXTURE"/CN)
L8	325	SEA FILE=REGISTRY	ABB=ON	PLU=ON	9003-39-8/CRN
L9	11680	SEA FILE=REGISTRY	ABB=ON	PLU=ON	(L2 OR L3 OR L4 OR L5 OR L6 OR L7 OR L8)
L14	1	SEA FILE=REGISTRY	ABB=ON	PLU=ON	"POLY(OXY-1,2-ETHANEDIYL), A-(4-(1,1,3,3-TETRAMETHYLBUTYL)PHENYL)-Ω-HYDROXY-"/ CN
L15	1495	SEA FILE=HCAPLUS	ABB=ON	PLU=ON	KAMATA K?/AU
L16	324	SEA FILE=HCAPLUS	ABB=ON	PLU=ON	KATO D?/AU
L18	148256	SEA FILE=HCAPLUS	ABB=ON	PLU=ON	L9
L20	386	SEA FILE=HCAPLUS	ABB=ON	PLU=ON	SAPOVIRUS/CT OR NOROVIRUS+NT/C

T

L21 311 SEA FILE=HCAPLUS ABB=ON PLU=ON BUFFERS+OLD,NT/CT(L)ALK?/OBI
 L22 2 SEA FILE=HCAPLUS ABB=ON PLU=ON L18 AND L20
 L23 15 SEA FILE=HCAPLUS ABB=ON PLU=ON L18 AND L21
 L24 1 SEA FILE=HCAPLUS ABB=ON PLU=ON L20 AND L21
 L25 253116 SEA FILE=HCAPLUS ABB=ON PLU=ON SURFACTANTS+OLD,NT/CT
 L26 1 SEA FILE=HCAPLUS ABB=ON PLU=ON L18 AND L25 AND L20 AND L21
 L27 5 SEA FILE=HCAPLUS ABB=ON PLU=ON L25 AND L20
 L28 2 SEA FILE=HCAPLUS ABB=ON PLU=ON L20 AND (L21 OR L18)
 L29 20 SEA FILE=HCAPLUS ABB=ON PLU=ON (L22 OR L23 OR L24 OR L26 OR
 L27 OR L28)
 L30 12 SEA FILE=HCAPLUS ABB=ON PLU=ON L29 AND (PRY<=2003 OR
 AY<=2003 OR PY<=2003)
 L31 6 SEA FILE=HCAPLUS ABB=ON PLU=ON (L15 OR L16) AND L20
 L32 1 SEA FILE=HCAPLUS ABB=ON PLU=ON L31 AND (PRY<=2003 OR
 AY<=2003 OR PY<=2003)
 L33 14828 SEA FILE=HCAPLUS ABB=ON PLU=ON L14
 L35 6 SEA FILE=HCAPLUS ABB=ON PLU=ON L33 AND L21
 L36 4 SEA FILE=HCAPLUS ABB=ON PLU=ON L35 AND (PRY<=2003 OR
 AY<=2003 OR PY<=2003)
 L37 14 SEA FILE=HCAPLUS ABB=ON PLU=ON (L30 OR L32 OR L36)

=> S L37 NOT L31

L49 13 L37 NOT L31

⇒ FILE WPIX

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 20071130/UPIC. <<<

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http://www.stn-international.com/archive/presentations/DWPIAnaVist2_0710.pdf

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L2 1 SEA FILE=REGISTRY ABB=ON PLU=ON POLYVINYLPYRROLIDONE/CN
 L3 1 SEA FILE=REGISTRY ABB=ON PLU=ON DEXTRAN SULFATE/CN
 L5 1 SEA FILE=REGISTRY ABB=ON PLU=ON POLYETHYLENE GLYCOL/CN
 L7 17 SEA FILE=REGISTRY ABB=ON PLU=ON ("POLYVINYL ALCOHOL 2-ACRYLAM

Serial No.:10/551,548

IDO-2-METHYLPROPIONATE"/CN OR "POLYVINYL ALCOHOL ACETATE
PHTHALATE"/CN OR "POLYVINYL ALCOHOL CINNAMATE FUMARATE
CROTONATE ACETATE"/CN OR "POLYVINYL ALCOHOL CINNAMATE"/CN OR
"POLYVINYL ALCOHOL DEHYDROGENASE"/CN OR "POLYVINYL ALCOHOL
DL-LACTATE"/CN OR "POLYVINYL ALCOHOL ESTER WITH SUCCINIC
ANHYDRIDE"/CN OR "POLYVINYL ALCOHOL FIBERS"/CN OR "POLYVINYL
ALCOHOL GLYCOLATE"/CN OR "POLYVINYL ALCOHOL HYDROGEN GLUTARATE"
/CN OR "POLYVINYL ALCOHOL HYDROGEN SUCCINATE"/CN OR "POLYVINYL
ALCOHOL OXIDASE"/CN OR "POLYVINYL ALCOHOL XANTHATE"/CN OR
"POLYVINYL ALCOHOL, METHYL PHOSPHITE"/CN OR "POLYVINYL
ALCOHOL-ACRYLIC ACID COPOLYMER"/CN OR "POLYVINYL ALCOHOL-IODINE
COMPD.""/CN OR "POLYVINYL ALCOHOL-POLYACRYLIC ACID POLYMER"/CN
OR "POLYVINYL ALCOHOL-POLYETHYLENE GLYCOL GRAFT COPOLYMER"/CN
OR "POLYVINYL ALCOHOL-SULFADIMETHOXINE-TWEEN 80 MIXTURE"/CN)

L10 20 SEA FILE=REGISTRY ABB=ON PLU=ON (L2 OR L3 OR L5 OR L7)
L14 1 SEA FILE=REGISTRY ABB=ON PLU=ON "POLY(OXY-1,2-ETHANEDIYL),
A-(4-(1,1,3,3-TETRAMETHYLBUTYL)PHENYL)- Ω -HYDROXY-"/
CN
L38 21 SEA FILE=REGISTRY ABB=ON PLU=ON (L10 OR L14)
L39 SEL PLU=ON L38 1- NAME : 1003 TERMS
L40 418619 SEA FILE=WPIX ABB=ON PLU=ON L39
L41 418623 SEA FILE=WPIX ABB=ON PLU=ON L38 OR L40
L44 53 SEA FILE=WPIX ABB=ON PLU=ON (SAPOVIRUS OR SAPPORO OR
NOROVIRUS OR NORWALK(A)VIRUSE OR SMALL ROUND STRUCTUR?
VIRUSE)/BI
L45 6 SEA FILE=WPIX ABB=ON PLU=ON L44 AND L41
L47 3 SEA FILE=WPIX ABB=ON PLU=ON L45 AND (PRY<=2003 OR AY<=2003
OR PY<=2003)

=> S L47 NOT L46

L50 3 L47 NOT L46

⇒ DUP REM L46 L49

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PROCESSING COMPLETED FOR L46
PROCESSING COMPLETED FOR L49

L51 14 DUP REM L46 L49 (0 DUPLICATES REMOVED)
ANSWER '1' FROM FILE WPIX
ANSWERS '2-14' FROM FILE HCAPLUS

⇒ D IALL ABEQ TECH 1; D IBIB ED ABS HITSTR 2-14

L51 ANSWER 1 OF 14 WPIX COPYRIGHT 2008 THE THOMSON CORP on STN
ACCESSION NUMBER: 2004-737785 [72] WPIX
DOC. NO. CPI: C2004-259589 [72]
DOC. NO. NON-CPI: N2004-583781 [72]
TITLE: Diluent for a novovirus or sapovirus specimen
for detecting novovirus or sapovirus in
specimens such as dejection, vomit, body fluid, blood,
tissue or food, comprises an alkaline buffer at a
specific pH
DERWENT CLASS: B04; S03
INVENTOR: KAMATA K; KATO D

PATENT ASSIGNEE: (DENK-N) DENKA SEIKEN KK
COUNTRY COUNT: 106

PATENT INFORMATION:

PATENT NO	KIND	DATE	WEEK	LA	PG	MAIN IPC
WO 2004088311	A1	20041014	(200472)*	JA	23	[0]
JP 2004301684	A	20041028	(200472)	JA	12	
US 20060216695	A1	20060928	(200664)	EN		
JP 3887340	B2	20070228	(200718)	JA	12	

APPLICATION DETAILS:

PATENT NO	KIND	APPLICATION	DATE
WO 2004088311	A1	WO 2004-JP4687	20040331
JP 2004301684	A	JP 2003-95349	20030331
US 20060216695	A1	WO 2004-JP4687	20040331
US 20060216695	A1	US 2005-551548	20050930
JP 3887340	B2	JP 2003-95349	20030331

FILING DETAILS:

PATENT NO	KIND	PATENT NO
JP 3887340	B2 Previous Publ	JP 2004301684 A

PRIORITY APPLN. INFO: JP 2003-95349 20030331

INT. PATENT CLASSIF.:

IPC ORIGINAL: C12Q0001-70 [I,A]; C12Q0001-70 [I,C]; G01N0033-531 [I,A];
G01N0033-531 [I,C]; G01N0033-569 [I,A]; G01N0033-569
[I,C]

IPC RECLASSIF.: G01N0033-52 [I,A]; G01N0033-52 [I,C]; G01N0033-531 [I,A];
G01N0033-531 [I,C]; G01N0033-569 [I,A]; G01N0033-569
[I,C]

BASIC ABSTRACT:

WO 2004088311 A1 UPAB: 20050707

NOVELTY - A diluent (I) for a novovirus or sapovirus specimen, containing an alkaline buffer at a pH of 9-10, is new

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for a reagent (II) for detecting novovirus or sapovirus, containing anti-novovirus antibody or anti-sapovirus antibody, and (I).

USE - (I) is useful for detecting novovirus or sapovirus in a specimen which involves adding the specimen to (I), and reacting with immobilized anti-novovirus antibody or anti-sapovirus antibody. The anti-novovirus antibody or anti-sapovirus antibody, or labeled anti-novovirus antibody or anti-sapovirus antibody are made to react with the specimen present in (I), simultaneously (claimed). (I) is useful for processing antigens such as novovirus or sapovirus for the antigens to be detected in samples such as dejection, vomit, body fluid, blood, tissue or food.

ADVANTAGE - Processing of antigens such as novovirus or sapovirus with (I) allows the epitope region of the virus to be exposed to the antibody and thus increases detection sensitivity and accuracy, and removes non-specific reactions. (I) allows the antigens to be detected in an easy and simple manner, without the use of special device such as centrifuge.

MANUAL CODE: CPI: B04-B04B2; B04-B04C1; B04-B04D; B04-B04L; B04-G08;
B11-C07A; B12-K04A4
EPI: S03-E14H4

TECH

BIOTECHNOLOGY - Preferred Diluent: (I) further comprises animal globulin, surfactant and water-soluble polymer. (I) has 1-8 mass % of salt concentration.

Preferred Reagent: (II) further contains labeled anti-novovirus antibody or anti-sapovirus antibody

L51 ANSWER 2 OF 14 HCAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2005:98557 HCAPLUS Full-text

DOCUMENT NUMBER: 142:176133

TITLE: Conditioner-fertilizer comprising chelating agent, pH modifier or buffer, and surfactant for improving saline or alkaline soils

INVENTOR(S): Duarte-MacDonald, Adalberto-Enrique

PATENT ASSIGNEE(S): Mex.

SOURCE: U.S. Pat. Appl. Publ., 7 pp.

CODEN: USXXCO

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2005022570	A1	20050203	US 2004-901061	20040729 ←
MX 2003PA06741	A	20050203	MX 2003-PA6741	20030729 ←
PRIORITY APPLN. INFO.:			MX 2003-PA6741	A 20030729 ←

ED Entered STN: 04 Feb 2005

AB An effective conditioner-fertilizer particularly formulated for restoring or improving the cultivation properties and productivity of saline or alkaline soils comprises: (a) a chelating substance, for example sodium tripolyphosphate, at .apprx.10-40% by weight; (b) a pH-modifying or buffering substance, for example an inorg. Acid, at .apprx.1-20%; (c) a surfactant, for example polyethylene glycol, at .apprx.0.03-0.5%; and optionally, (d) a plant nutrient substance, for example humic exts. Which can advantageously derived from the pecan husk. The synergistic combination of polyphosphates, pH-modifying and buffering substances and surfactants in the conditioner-fertilizer formulation significantly improves its effectiveness at a competitive cost. Other ingredients may also be added, for example, sodium lignosulfonate, calcium lignosulfonate and the like, for modifying the phys. Structure of soils. The conditioner-fertilizer can be applied directly to the soil before planting, mixed with the irrigation water, or applied to the leaves during plant growth.

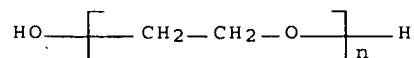
IT 25322-68-3, Polyethylene glycol

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)

(conditioner-fertilizer comprising chelator, pH modifier or buffer, and surfactant for improving saline or alkaline soils)

RN 25322-68-3 HCAPLUS

CN Poly(oxy-1,2-ethanediyl), α -hydro- ω -hydroxy- (CA INDEX NAME)



L51 ANSWER 3 OF 14 HCAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2003:696690 HCAPLUS Full-text
 DOCUMENT NUMBER: 139:224443
 TITLE: Antacid- and locally acting anesthetic-containing
 formulations for the symptomatic relief of
 gastrointestinal disorders
 INVENTOR(S): Luzzatti, Paolo Renzo
 PATENT ASSIGNEE(S): USA
 SOURCE: PCT Int. Appl., 59 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	----	-----	-----	-----
WO 2003072048	A2	20030904	WO 2003-US5544	20030221 ←
WO 2003072048	A3	20040701		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
US 2003175360	A1	20030918	US 2002-79569	20020222 ←
AU 2003225595	A1	20030909	AU 2003-225595	20030221 ←
PRIORITY APPLN. INFO.:			US 2002-79569	A1 20020222 ←
			WO 2003-US5544	W 20030221 ←

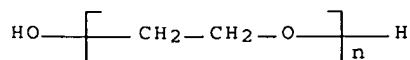
ED Entered STN: 05 Sep 2003

AB A formulation for treating a gastrointestinal disorder is provided. The formulation provides symptomatic relief of symptoms associated with gastrointestinal disorders. Addnl., a method for treating a gastrointestinal disorder comprising administering a therapeutically effective amount of the formulation is provided. In one embodiment of the invention, the formulation includes a locally acting anesthetic and an antacid.

IT 25322-68-3, Polyethylene glycol
 RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
 (bioadhesive; antacid- and locally acting anesthetic-containing formulation for symptomatic relief of gastrointestinal disorder)

RN 25322-68-3 HCAPLUS

CN Poly(oxy-1,2-ethanediyl), α -hydro- ω -hydroxy- (CA INDEX NAME)



L51 ANSWER 4 OF 14 HCAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2003:35295 HCAPLUS Full-text
 DOCUMENT NUMBER: 138:95213

TITLE: Stable medicated animal care formulations containing
alkylpyrrolidones

INVENTOR(S): Narayanan, Kolazi S.; Jon, Domingo I.; Prettypaul,
Donald I.

PATENT ASSIGNEE(S): ISP Investments Inc., USA

SOURCE: U.S., 3 pp.
CODEN: USXXAM

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6506396	B1	20030114	US 2001-947802	20010906 ←
WO 2003022054	A1	20030320	WO 2002-US22990	20020719 ←
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2002326419	A1	20030324	AU 2002-326419	20020719 ←
EP 1432315	A1	20040630	EP 2002-761134	20020719 ←
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK				

PRIORITY APPLN. INFO.: US 2001-947802 A 20010906 ←
WO 2002-US22990 W 20020719 ←

ED Entered STN: 15 Jan 2003

AB A stable medicated animal care formulation comprises (a) 0.1-10% an active agricultural ingredient, of an animal care and/or veterinary reagent, (b) 0.0002-40% a microemulsion concentrate, e.g., 0-10% a castor oil ethoxylate or tristeryl phenol ethoxylate, 0-1% an ethoxylated phosphoric acid as pH buffer, 0.0002-4% N-alkyl erives. Such as C8-18 alkylpyrrolidone and 0-6% C1-4 alkylpyrrolidone, (c) a surfactant with shampoo properties, and (d) water, wherein (c)+(d) is 50-99.4%. A shampoo formulation contained sodium laureth sulfate 9.20, Cocamidopropylbetaine 5.10, cocamide DEA 4.05, water 81.45, and 25% citric acid 0.20%. Permethrin (1.0 g) was added to Microflex-1 (Solution A) (5.0 g) and mixed for 10 min. The Solution A (6 g) was added to 94 g above shampoo formulation and the sample mixed for 5 min. The permethrin-shampoo mixture is a clear and homogeneous solution which is stable for at least 3 mo.

IT 9056-42-2

RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
USES (Uses)

(buffer; stable medicated animal care formulations containing
alkylpyrrolidones)

RN 9056-42-2 HCAPLUS

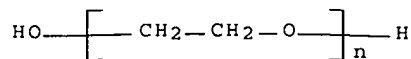
CN Poly(oxy-1,2-ethanediyl), α -hydro- ω -hydroxy-, phosphate (CA
INDEX NAME)

CM 1

CRN 25322-68-3

CMF (C2 H4 O)n H2 O

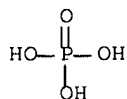
CCI PMS



CM 2

CRN 7664-38-2

CMF H3 O4 P



REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L51 ANSWER 5 OF 14 HCAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2006:930028 HCAPLUS Full-text

DOCUMENT NUMBER: 145:278384

TITLE: Process for the preparation of novel topical
microbicidal compositions comprising alkyylimidazole
and iodophor

INVENTOR(S): Mody, Shirish Bhagwanlal; Mansukhlal, Doshi Madhukant;
Dattatraya, Joshi Milind

PATENT ASSIGNEE(S): M/s. J B Chemicals and Pharmaceuticals Ltd., India

SOURCE: Indian, 27 pp.

CODEN: INXXAP

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
IN 190493	A1	20030802	IN 2001-MU482	20010523 ←
PRIORITY APPLN. INFO.:			IN 2001-MU482	20010523 ←

ED Entered STN: 11 Sep 2006

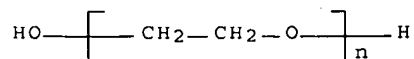
AB A process for the preparation of pharmaceutical composition suitable for the treatment of microbial and mycotic infections caused by aerobic and anaerobic microorganisms is provided and involves administering topically to the patients in need thereof a composition comprising metronidazole and Povidone-Iodine, in effective amts. In various pharmaceutical dosage forms. For example, ointment was prepared containing metronidazole 1.00 %, Povidone-Iodine 5.00 % PEG 4000 30.00 % PEG 400 59.75 % and purified water 4.25 %.

IT 25322-68-3, Polyethylene glycol 25655-41-8
27636-20-0 36059-35-5

RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(process for the preparation of novel topical microbicidal compns.
Comprising alkyylimidazole and iodophor)

RN 25322-68-3 HCAPLUS

CN Poly(oxy-1,2-ethanediyl), α -hydro- ω -hydroxy- (CA INDEX NAME)



RN 25655-41-8 HCAPLUS

CN 2-Pyrrolidinone, 1-ethenyl-, homopolymer, compd. With iodine (CA INDEX NAME)

CM 1

CRN 7553-56-2

CMF I2

I-I

CM 2

CRN 9003-39-8

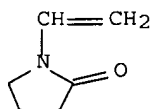
CMF (C6 H9 N O) x

CCI PMS

CM 3

CRN 88-12-0

CMF C6 H9 N O



RN 27636-20-0 HCAPLUS

CN Ethenol, homopolymer, compd. With iodine (CA INDEX NAME)

CM 1

CRN 7553-56-2

CMF I2

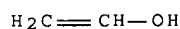
I-I

CM 2

CRN 9002-89-5
CMF (C2 H4 O)x
CCI PMS

CM 3

CRN 557-75-5
CMF C2 H4 O

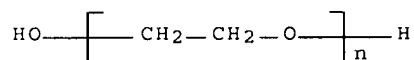


RN 36059-35-5 HCAPLUS

CN Poly(oxy-1,2-ethanediyl), α -hydro- ω -hydroxy-, compd. With
iodine (9CI) (CA INDEX NAME)

CM 1

CRN 25322-68-3
CMF (C2 H4 O)n H2 O
CCI PMS



CM 2

CRN 7553-56-2
CMF I2

I-I

L51 ANSWER 6 OF 14 HCAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2003:929327 HCAPLUS Full-text

DOCUMENT NUMBER: 139:399778

TITLE: Pharmaceutical composition with anti-swelling effect
on the skin containing chlorides of alkali or alkali
earth metals

INVENTOR(S): Gottfreund, Joachim; Meyer, Thomas

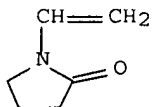
PATENT ASSIGNEE(S): Sebapharma G.m.b.H. & Co. K.-G., Germany

SOURCE: Eur. Pat. Appl., 29 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1364640	A1	20031126	EP 2003-11451	20030520 ←
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
DE 10223221	A1	20031211	DE 2002-10223221	20020524 ←
PRIORITY APPLN. INFO.:			DE 2002-10223221	A 20020524 ←
ED Entered STN: 28 Nov 2003				
AB The invention concerns topical compns. With anti-swelling effect on the skin that contain chlorides of alkali or alkali earth metals in a base with buffering agents and oils; the formulations are used to treat eczema, dry and irritated skin. Thus a composition included (weight/weight%): Fitoderm 8; Emulgade CM 5; Konjac Mannan 2.5; Natrosol 250 HHBR 0.5; sodium chloride 10; sodium hydroxide (45%) 0.2; perfume, water to 100; pH 5.5.				
IT 9003-39-8, Polyvinylpyrrolidone				
RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study); USES (Uses) (pharmaceutical composition with anti-swelling effect on skin containing chlorides of alkali or alkali earth metals)				
RN 9003-39-8 HCAPLUS				
CN 2-Pyrrolidinone, 1-ethenyl-, homopolymer (CA INDEX NAME)				
CM 1				
CRN 88-12-0				
CMF C6 H9 N O				



REFERENCE COUNT: 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L51 ANSWER 7 OF 14 HCAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2001:507486 HCAPLUS Full-text
DOCUMENT NUMBER: 135:97533
TITLE: Methods and compositions for organ decellularization using an alkaline solution having a detergent
INVENTOR(S): Atala, Anthony
PATENT ASSIGNEE(S): Children's Medical Center Corporation, USA
SOURCE: PCT Int. Appl., 22 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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WO 2001049210      A1      20010712      WO 2000-US33782      20001214 ←
W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
    CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR,
    HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT,
    LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU,
    SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU,
    ZA, ZW
RW:  GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
    DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,
    BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
US 6376244          B1      20020423      US 1999-474678      19991229 ←
CA 2395637          A1      20010712      CA 2000-2395637      20001214 ←
CA 2395637          C      20050524
EP 1244396          A1      20021002      EP 2000-984310      20001214 ←
EP 1244396          B1      20051109
R:   AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
    IE, SI, LT, LV, FI, RO, MK, CY, AL, TR
JP 2003518981      T      20030617      JP 2001-549579      20001214 ←
AU 763730          B2      20030731      AU 2001-20950      20001214 ←
AT 308939          T      20051115      AT 2000-984310      20001214 ←
ES 2250220          T3      20060416      ES 2000-984310      20001214 ←
US 2002102727      A1      20020801      US 2002-91665      20020305 ←
US 6753181          B2      20040622
US 2003215945      A1      20031120      US 2003-464165      20030618 ←
US 1999-474678      A      19991229 ←
WO 2000-US33782      W      20001214 ←
US 2002-91665      A1      20020305 ←
PRIORITY APPLN. INFO.:

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ED Entered STN: 13 Jul 2001

AB The invention is directed to methods for producing a decellularized organ or part of an organ. A decellularized organ, e.g., kidney, is produced using an isolated organ mech. Agitated to remove cellular membranes surrounding the isolated organ without destroying the interstitial structure of the organ. After the cellular membrane is removed, the isolated organ is exposed to a solubilizing fluid that exts. Cellular material without dissolving the interstitial structure of the organ. A solubilizing fluid is an alkaline solution, selected from the group consisting of sulfates, acetates, carbonates, bicarbonates and hydroxides, having a detergent, selected from the group consisting of Triton X-100, Triton N-101, Triton X-114, Triton X-405, Triton X-705, and Triton DF-16, Tween 20, Tween 40, Tween 80, Brij 35, Polyox, sodium cholate, deoxycholates, CHAPS, a saponin, n-decyl β -D-glucopyranoside, n-heptyl β -D glucopyranoside, n-octyl α -D-glucopyranoside and Nonidet P-40. A washing fluid, i.e., distilled water, physiol. Buffer, or culture medium, is used to remove the solubilized components, leaving behind a decellularized organ. For example, a kidney was decellularized using a 0.05% ammonium hydroxide solution containing 0.5% Triton X-100. The decellularized kidney was equilibrated with 1 x phosphate buffer solution (PBS) and then lyophilized and sterilized using ethylene oxide. After sterilization, the decellularized kidney was either used immediately, or stored at 4° or at room temperature until required. Stored organs were equilibrated in the tissue culture medium overnight at 4° prior to seeding with cultured cells.

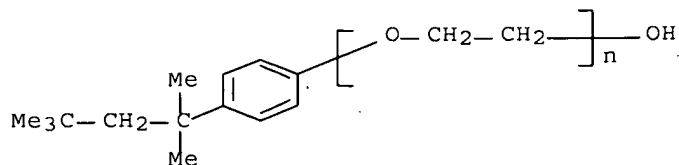
IT 9002-93-1, Triton X-100 25322-68-3, Polyox

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

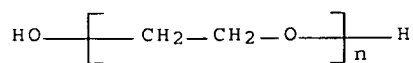
(alkaline solution having detergent for organ decellularization for artificial organ)

RN 9002-93-1 HCAPLUS

CN Poly(oxy-1,2-ethanediyl), α -[4-(1,1,3,3-tetramethylbutyl)phenyl]-

ω -hydroxy- (CA INDEX NAME)

RN 25322-68-3 HCAPLUS

CN Poly(oxy-1,2-ethanediyl), α -hydro- ω -hydroxy- (CA INDEX NAME)

REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L51 ANSWER 8 OF 14 HCAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2001:115377 HCAPLUS Full-text

DOCUMENT NUMBER: 134:159834

TITLE: Direct aspiration-reaction and injection device and methods of use

INVENTOR(S): King, Brian William; Harrison, Bruce Thomas

PATENT ASSIGNEE(S): Australia

SOURCE: PCT Int. Appl., 41 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001011336	A1	20010215	WO 2000-AU931	20000804 ←
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
CA 2419714	A1	20010215	CA 2000-2419714	20000804 ←
EP 1218718	A1	20020703	EP 2000-949003	20000804 ←
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL				
NZ 517565	A	20020828	NZ 2000-517565	20000804 ←
JP 2003506708	T	20030218	JP 2001-515943	20000804 ←
AU 777999	B2	20041111	AU 2000-62540	20000804 ←

Serial No.:10/551,548

IN 2002KN00297	A	20060217	IN 2002-KN297	20020301	←
ZA 2002001787	A	20030304	ZA 2002-1787	20020304	←
PRIORITY APPLN. INFO.:			AU 1999-2039	A	19990805 ←
			AU 2000-7039	A	20000420 ←
			WO 2000-AU931	W	20000804 ←

ED Entered STN: 15 Feb 2001

AB A device comprises a chamber having a first open end and a second closed end, an elongate member having first and second open ends and sealing means providing a seal between the elongate member when received in the chamber. The second end of the elongate member is slidably movable from a first position within the chamber to a second position within the chamber causing a change in pressure within the chamber. The device enables sample collection and anal. To be performed in a single chamber. Devices and methods including wax and reagent compns. Within the chamber are disclosed. PCR reagents were added to a chamber and covered with a layer of F wax (melting temperature of about 76°). Proteinase K mix with SDS was layered on top of the F wax. A layer of A wax (melting temperature of about 55°) was added on top of the enzyme layer. Finally, mineral oil was loaded on top of the A wax. The device was used to detect human X or Y chromosomes in white blood cells.

IT 9003-39-8, Polyvinylpyrrolidone

RL: ARU (Analytical role, unclassified); DEV (Device component use); ANST (Analytical study); USES (Uses)

(as blocking agent; direct aspiration-reaction and injection device and methods of use)

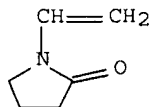
RN 9003-39-8 HCAPLUS

CN 2-Pyrrolidinone, 1-ethenyl-, homopolymer (CA INDEX NAME)

CM 1

CRN 88-12-0

CMF C6 H9 N O



REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L51 ANSWER 9 OF 14 HCAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2001:194733 HCAPLUS Full-text

DOCUMENT NUMBER: 134:242741

TITLE: Synergistic disinfectant solutions containing alkylamines and microbicides

INVENTOR(S): Tsuzuki, Akira; Nomura, Eiji

PATENT ASSIGNEE(S): Menicon Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 6 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

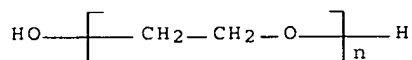
LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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JP 2001072504 A 20010321 JP 1999-248600 19990902 ←
 PRIORITY APPLN. INFO.: JP 1999-248600 19990902 ←
 OTHER SOURCE(S): MARPAT 134:242741
 ED Entered STN: 22 Mar 2001
 AB The solns., useful for disinfection of contact lenses, contain alkylamines
 X(CH₂)_pC[(CH₂)_qX][(CH₂)_rX]C(CH₂)_sN[(CH₂)_tY](CH₂)_uZ (p, q, r, t, u = 1-4; s =
 0-3; X = H, OH, NR₁R₂; R₁, R₂ = H, C₁-3 alkyl; Y, Z = H, OH; at least either Y
 or Z is OH) and microbicides. An aqueous solution containing Bis-Tris 0.50,
 EDTA-2Na 0.05, NaOH 0.82, poly(hexamethylenebiguanide) (PHMB) 0.0001, and H₂O
 to 100.0%(weight/volume) effectively controlled *Candida albicans* and
Staphylococcus aureus.
 IT 25322-68-3D, Polyethylene glycol, _erives.
 RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
 (surfactants; synergistic disinfectant solns. Containing alkylamines and
 microbicides for contact lenses)
 RN 25322-68-3 HCAPLUS
 CN Poly(oxy-1,2-ethanediyl), α-hydro-ω-hydroxy- (CA INDEX NAME)



L51 ANSWER 10 OF 14 HCAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2001:396514 HCAPLUS Full-text
 DOCUMENT NUMBER: 135:7194
 TITLE: Detergent composition with controlled release of its
 components
 INVENTOR(S): Schmiedel, Peter; Gassenmeier, Thomas Otto; Von
 Rybinski, Wolfgang; Kessler, Arnd; Hardacker, Ingo;
 Speckmann, Horst-Dieter; Poethkow, Jorg; Krupp, Ute
 PATENT ASSIGNEE(S): Henkel Kommanditgesellschaft auf Aktien, Germany
 SOURCE: Eur. Pat. Appl., 20 pp.
 CODEN: EPXXDW
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

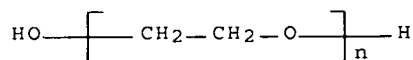
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1103594	A2	20010530	EP 2000-125074	20001117 ←
EP 1103594	A3	20031015		

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
 IE, SI, LT, LV, FI, RO

PRIORITY APPLN. INFO.: DE 1999-19957038 A 19991126 ←
 OTHER SOURCE(S): MARPAT 135:7194
 ED Entered STN: 01 Jun 2001

AB Solid detergent composition with improved soil/stain removal capability,
 especially with bleachable soils and at lower washing temps., comprises an
 alkalizing agent, e.g., alkali carbonate, Na tripolyphosphate, etc., which is
 released to the washing liquor at a controlled rate. The alkalizing agent is
 encapsulated or compounded in such a way that ≤10% of the agent is released
 after t₁ of 1-25 min and ≥90% is released after t₁ + 3-25 min of the washing
 process.

IT 25322-68-3D, Polyethylene glycol, C12-18 alkyl monoethers
 RL: TEM (Technical or engineered material use); USES (Uses)
 (surfactants; solid detergent composition with controlled release of
 alkalizing agents)
 RN 25322-68-3 HCAPLUS
 CN Poly(oxy-1,2-ethanediyl), α -hydro- ω -hydroxy- (CA INDEX NAME)



L51 ANSWER 11 OF 14 HCAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2000:31527 HCAPLUS Full-text

DOCUMENT NUMBER: 132:90346

TITLE: Method for the determination of alkaline phosphatase
 and its derivatives used in histochemical and
 immunohistochemical processes with dyes and additives

INVENTOR(S): Halbhuber, Karl-Juergen; Krieg, Reimar

PATENT ASSIGNEE(S): Friedrich-Schiller-Universitaet Jena Buero fuer
 Forschungstransfer, Germany

SOURCE: Ger. Offen., 12 pp.

CODEN: GWXXBX

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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DE 19830478	A1	20000113	DE 1998-19830478	19980708 ←
PRIORITY APPLN. INFO.:			DE 1998-19830478	19980708 ←

ED Entered STN: 13 Jan 2000

AB The invention concerns a method for the determination of alkaline phosphatase
 and its _erives. Used in histochem. And immunohistochem. Processes by diazo-
 dyes and increasing the sensitivity via several additives. Additives are Ni²⁺
 and Mn²⁺ salts, cyclodextrins, crown ethers, detergents, buffers, and osmium
 tetrachloride solns. Using these additives, fluorescence intensity was
 increased.

IT 9002-93-1, Triton X-100

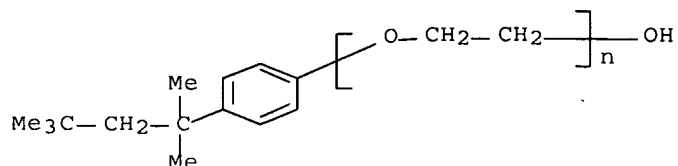
RL: ARU (Analytical role, unclassified); BSU (Biological study,
 unclassified); ANST (Analytical study); BIOL (Biological study)

(method for determination of alkaline phosphatase and _erives. Used in
 histochem.

And immunohistochem. Processes with dyes and additives)

RN 9002-93-1 HCAPLUS

CN Poly(oxy-1,2-ethanediyl), α -[4-(1,1,3,3-tetramethylbutyl)phenyl]-
 ω -hydroxy- (CA INDEX NAME)



REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L51 ANSWER 12 OF 14 HCAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2000:629955 HCAPLUS Full-text
 DOCUMENT NUMBER: 133:174293
 TITLE: Method and device for directly and quickly analyzing biochemical components contained in microbes
 INVENTOR(S): Han, Xiaoliang; Wang, Wanheng
 PATENT ASSIGNEE(S): Peop. Rep. China
 SOURCE: Faming Zhuanli Shenqing Gongkai Shuomingshu, 23 pp.
 CODEN: CNXXEV
 DOCUMENT TYPE: Patent
 LANGUAGE: Chinese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
CN 1243955	A	20000209	CN 1999-103137	19990323 ←
US 6265164	B1	20010724	US 1998-221762	19981228 ←
US 2002022230	A1	20020221	US 2001-906867	20010716 ←
US 6723514	B2	20040420		
PRIORITY APPLN. INFO.:			US 1998-79506P	P 19980326 ←
			US 1998-221762	A1 19981228 ←

ED Entered STN: 12 Sep 2000

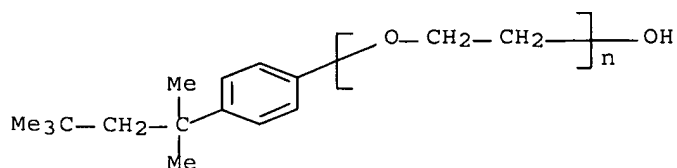
AB The process comprises suspending microbe in the first solution, and/or heating at >65° for >10 s, zymolyzing with restriction endoenzyme in the presence of hydroxyl group-containing alkali buffer, and measuring by gel electrophoresis. The first solution is composed of 0.1-5% (volume/volume) detergent, Tris-HCl, and/or EDTA as DNA enzyme inhibitor, and water, preferably 10 mM Tris-HCl (pH 8.0), 1 mM EDTA, and 0.5% (volume/volume) Triton X-100. The detergent is Triton X-100, Tween-20, or NP-40, preferably Triton X-100. The process may be used for analyzing nucleotide in bacteria, fungi, eukaryotic cell, or phage, preferably bacteria. The reagent kit consists of the first solution and restriction enzyme-containing second solution

IT 9002-93-1, Triton X-100.

RL: ARU (Analytical role, unclassified); ANST (Analytical study)
 (method and device for directly and quickly analyzing biochem.
 Components contained in microbes)

RN 9002-93-1 HCAPLUS

CN Poly(oxy-1,2-ethanediyl), α-[4-(1,1,3,3-tetramethylbutyl)phenyl]-
 ω-hydroxy- (CA INDEX NAME)



L51 ANSWER 13 OF 14 HCAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 1987:140145 HCAPLUS Full-text
 DOCUMENT NUMBER: 106:140145
 TITLE: Dry bleach and stable enzyme granular composition
 INVENTOR(S): Herdeman, Robert William
 PATENT ASSIGNEE(S): Procter and Gamble Co., USA
 SOURCE: Eur. Pat. Appl., 18 pp.
 CODEN: EPXXDW
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 206418	A2	19861230	EP 1986-201055	19860618 ←
EP 206418	A3	19881117		
EP 206418	B1	19911113		
R: BE, DE, FR, GB, IT, LU, NL				
AU 8659322	A	19870108	AU 1986-59322	19860627 ←
AU 585031	B2	19890608		
JP 62079296	A	19870411	JP 1986-151359	19860627 ←
CA 1285508	C	19910702	CA 1986-512635	19860627 ←
US 4767557	A	19880830	US 1987-131294	19871209 ←
			US 1985-750569	A 19850628 ←

PRIORITY APPLN. INFO.:

ED Entered STN: 01 May 1987

AB Storage-stable comps. Are prepared which comprise peroxy acid bleach-containing granules and granules containing enzymes, alkaline buffer salt, cellulosic filler, and binder. In some cases, the enzyme-containing granules also contain an antioxidant (e.g., Na₂SO₃), CaCl₂ or another compatible inorg. Salt, and/or a coating of water-insol. Waxy nonionic material. The granular comps. Are useful in detergent formulations. Granules were prepared from proteolytic enzyme 4, amylase 1, alkaline buffer salt (KHCO₃ 20, Na₂SO₃ 5, and CaCl₂-NaCl 20 parts) 45, cellulose powder 20, poly(vinylpyrrolidone) 5, and waxy polyethylene glycol (coating) 25%. The granules were used in mixts. With bleach granules containing diperoxododecanedioic acid.

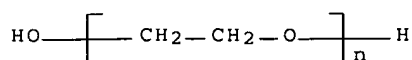
IT 25322-68-3, Polyethylene glycol

RL: USES (Uses)

(enzyme granules coated with, storage-stable)

RN 25322-68-3 HCAPLUS

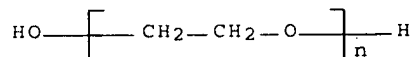
CN Poly(oxy-1,2-ethanediyl), α-hydro-ω-hydroxy- (CA INDEX NAME)



L51 ANSWER 14 OF 14 HCAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1985:134012 HCAPLUS Full-text
DOCUMENT NUMBER: 102:134012
ORIGINAL REFERENCE NO.: 102:21027a,21030a
TITLE: Detergents for neutralization of alkalies
PATENT ASSIGNEE(S): Sanyo Kako Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 2 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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JP 59196397	A	19841107	JP 1983-71097	19830422 ←
PRIORITY APPLN. INFO.:			JP 1983-71097	19830422 ←

ED Entered STN: 20 Apr 1985
AB The detergents are prepared by blending a buffer (citric acid [77-92-9]/Na phosphate), glycerin [56-81-5], a surfactant (sorbitan alkyl ether, polyoxyethylene sorbitan alkyl ether), CM-cellulose [9004-32-4], silica, and a pH indicator, e.g., phenolphthalein [77-09-8]. The detergents are creamy, and the pH indicator indicates complete removal of alkalies (NaOH, Na₂CO₃) from skin.
IT 25322-68-3D, sorbitan ethers
RL: USES (Uses)
(detergents for neutralization of alkalies containing)
RN 25322-68-3 HCAPLUS
CN Poly(oxy-1,2-ethanediyl), α-hydro-ω-hydroxy- (CA INDEX NAME)



Author Search

L1 1 SEA ABB=ON PLU=ON US2005-551548/APPS

FILE 'REGISTRY' ENTERED AT 12:53:04 ON 29 JAN 2008

L2 1 SEA ABB=ON PLU=ON POLYVINYLPIRROLIDONE/CN
 L3 1 SEA ABB=ON PLU=ON DEXTRAN SULFATE/CN
 L4 87 SEA ABB=ON PLU=ON 9042-14-2/CRN
 L5 1 SEA ABB=ON PLU=ON POLYETHYLENE GLYCOL/CN
 L6 11257 SEA ABB=ON PLU=ON 25322-68-3/CRN
 L7 17 SEA ABB=ON PLU=ON ("POLYVINYL ALCOHOL 2-ACRYLAMIDO-2-METHYLPR
 OPIONATE"/CN OR "POLYVINYL ALCOHOL ACETATE PHTHALATE"/CN OR
 "POLYVINYL ALCOHOL CINNAMATE FUMARATE CROTONATE ACETATE"/CN OR
 "POLYVINYL ALCOHOL CINNAMATE"/CN OR "POLYVINYL ALCOHOL
 DEHYDROGENASE"/CN OR "POLYVINYL ALCOHOL DL-LACTATE"/CN OR
 "POLYVINYL ALCOHOL ESTER WITH SUCCINIC ANHYDRIDE"/CN OR
 "POLYVINYL ALCOHOL FIBERS"/CN OR "POLYVINYL ALCOHOL GLYCOLATE"/
 CN OR "POLYVINYL ALCOHOL HYDROGEN GLUTARATE"/CN OR "POLYVINYL
 ALCOHOL HYDROGEN SUCCINATE"/CN OR "POLYVINYL ALCOHOL OXIDASE"/C
 N OR "POLYVINYL ALCOHOL XANTHATE"/CN OR "POLYVINYL ALCOHOL,
 METHYL PHOSPHITE"/CN OR "POLYVINYL ALCOHOL-ACRYLIC ACID
 COPOLYMER"/CN OR "POLYVINYL ALCOHOL-IODINE COMPD."/CN OR
 "POLYVINYL ALCOHOL-POLYACRYLIC ACID POLYMER"/CN OR "POLYVINYL
 ALCOHOL-POLYETHYLENE GLYCOL GRAFT COPOLYMER"/CN OR "POLYVINYL
 ALCOHOL-SULFADIMETHOXINE-TWEEN 80 MIXTURE"/CN)
 SEL L2 RN
 L8 325 SEA ABB=ON PLU=ON 9003-39-8/CRN
 L9 11680 SEA ABB=ON PLU=ON (L2 OR L3 OR L4 OR L5 OR L6 OR L7 OR L8)
 L10 20 SEA ABB=ON PLU=ON (L2 OR L3 OR L5 OR L7)
 L11 5 SEA ABB=ON PLU=ON POLYETHYLENE GLYCOL/CNS AND PHENYL/CNS AND
 ALKYL/CNS
 L12 4 SEA ABB=ON PLU=ON L11 AND ETHER/CNS

FILE 'REGISTRY' ENTERED AT 13:22:03 ON 29 JAN 2008

L13 3 SEA ABB=ON PLU=ON (7647-14-5/BI OR 9002-93-1/BI OR 9003-39-8/
 BI)
 L14 1 SEA ABB=ON PLU=ON "POLY(OXY-1,2-ETHANEDIYL), A-(4-(1,1,
 3,3-TETRAMETHYLBUTYL) PHENYL) - Ω -HYDROXY-"/CN

FILE 'HCAPLUS' ENTERED AT 13:24:12 ON 29 JAN 2008

L15 1495 SEA ABB=ON PLU=ON KAMATA K?/AU
 L16 324 SEA ABB=ON PLU=ON KATO D?/AU
 L17 2 SEA ABB=ON PLU=ON L15 AND L16
 L18 148256 SEA ABB=ON PLU=ON L9
 L19 133995 SEA ABB=ON PLU=ON L10
 L20 386 SEA ABB=ON PLU=ON SAPOVIRUS/CT OR NOROVIRUS+NT/CT
 L21 311 SEA ABB=ON PLU=ON BUFFERS+OLD,NT/CT(L) ALK?/OBI
 L22 2 SEA ABB=ON PLU=ON L18 AND L20
 L23 15 SEA ABB=ON PLU=ON L18 AND L21
 L24 1 SEA ABB=ON PLU=ON L20 AND L21
 L25 253116 SEA ABB=ON PLU=ON SURFACTANTS+OLD,NT/CT
 L26 1 SEA ABB=ON PLU=ON L18 AND L25 AND L20 AND L21
 L27 5 SEA ABB=ON PLU=ON L25 AND L20
 L28 2 SEA ABB=ON PLU=ON L20 AND (L21 OR L18)
 L29 20 SEA ABB=ON PLU=ON (L22 OR L23 OR L24 OR L26 OR L27 OR L28)
 L30 12 SEA ABB=ON PLU=ON L29 AND (PRY<=2003 OR AY<=2003 OR PY<=2003)
 L31 6 SEA ABB=ON PLU=ON (L15 OR L16) AND L20
 L32 1 SEA ABB=ON PLU=ON L31 AND (PRY<=2003 OR AY<=2003 OR PY<=2003)

Serial No.:10/551,548

FILE 'HCAPLUS' ENTERED AT 13:51:24 ON 29 JAN 2008
 L33 14828 SEA ABB=ON PLU=ON L14
 L34 2 SEA ABB=ON PLU=ON L33 AND L20
 L35 6 SEA ABB=ON PLU=ON L33 AND L21
 L36 4 SEA ABB=ON PLU=ON L35 AND (PRY<=2003 OR AY<=2003 OR PY<=2003)
 L37 14 SEA ABB=ON PLU=ON (L30 OR L32 OR L36)

FILE 'REGISTRY' ENTERED AT 13:55:48 ON 29 JAN 2008
 L38 21 SEA ABB=ON PLU=ON (L10 OR L14)

FILE 'REGISTRY' ENTERED AT 13:56:59 ON 29 JAN 2008
 SET SMARTSELECT ON
 L39 SEL PLU=ON L38 1- NAME : 1003 TERMS
 SET SMARTSELECT OFF

FILE 'WPIX' ENTERED AT 13:57:02 ON 29 JAN 2008
 L40 418619 SEA ABB=ON PLU=ON L39
 L41 418623 SEA ABB=ON PLU=ON L38 OR L40
 L42 1524 SEA ABB=ON PLU=ON KAMATA K?/AU
 L43 289 SEA ABB=ON PLU=ON KATO D?/AU
 L44 53 SEA ABB=ON PLU=ON (SAPOVIRUS OR SAPPORO OR NOROVIRUS OR
 NORWALK(A) VIRUSE OR SMALL ROUND STRUCTUR? VIRUSE)/BI
 L45 6 SEA ABB=ON PLU=ON L44 AND L41
 L46 1 SEA ABB=ON PLU=ON (L42 OR L43) AND L44
 L47 3 SEA ABB=ON PLU=ON L45 AND (PRY<=2003 OR AY<=2003 OR PY<=2003)

FILE 'HCAPLUS, WPIX' ENTERED AT 14:25:11 ON 29 JAN 2008
 L48 6 DUP REM L31 L46 (1 DUPLICATE REMOVED)

FILE 'HCAPLUS' ENTERED AT 14:25:37 ON 29 JAN 2008
 D QUE L37
 L49 13 SEA ABB=ON PLU=ON L37 NOT L31

FILE 'WPIX' ENTERED AT 14:26:00 ON 29 JAN 2008
 D QUE L47
 L50 3 SEA ABB=ON PLU=ON L47 NOT L46

FILE 'WPIX, HCAPLUS' ENTERED AT 14:26:20 ON 29 JAN 2008
 L51 14 DUP REM L46 L49 (0 DUPLICATES REMOVED)